

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) A recordable record carrier having a user area for storing user data and a management area for storing management data, said management area comprising:

main file system data of a main file system stored in a main file system area,

virtual file system data of a virtual file system stored in raw format in a virtual file system area, and

an indicator stored in an indicator area, the indicator indicating whether the main system data and the virtual file system data are consistent, the indicator indicating the inconsistency if the virtual file system data and/or the main file system data are changed.

2. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said virtual file system area comprises a static area for storing static parts of said virtual file system data and a volatile area for storing volatile parts of said virtual file system data so that, if the indicator indicates an inconsistency between the main file system data and the virtual file system data, only the volatile parts of the virtual file system data need to be reconstructed from the main file system data.

3. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said indicator comprises the last update date of the main file system data and of the virtual file system data.

4. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said indicator comprises a flag which is set when the virtual file system data are updated, indicating that the virtual file system data are valid, and which is reset when the main file system data are updated independently, indicating that the virtual file system data are invalid.

5. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said indicator area is present in a disk navigation area, in a logical volume integrity descriptor, or in a chip in the record carrier.

6. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said virtual file system area further comprises a directory area for storing the directory structure of the virtual file system.

7. (Previously Presented) The recordable carrier as claimed in claim 1, wherein said main file system is a Universal Disc Format file system, and wherein said virtual file system is a File Allocation Table file system.

8. (Previously Presented) A recording apparatus for recording information on a recordable record carrier having a user area for storing user data and a management area for storing management data, said apparatus comprising:

recording means for recording main file system data of a main

file system in a main file system area of said management area, virtual file system data of a virtual file system in raw format in a virtual file system area of said management area, and an indicator indicating whether the main file system data and the virtual file system data are consistent in an indicator area of said management area,

reading means for reading said user data and said management data,

memory means for storing said virtual file system data,

conversion means for converting said main file system data into said virtual file system data and vice versa for storage on the record carrier and/or for output to an external host device if said indicator indicates an inconsistency between the main file system data and the virtual file system data,

an interface for communicating with a host device,

setting means for setting the indicator such that it indicates the inconsistency if the virtual file system data and/or the main file system data are changed.

9. (Previously Presented) The recording apparatus as claimed

in claim 8, wherein said recording means and said reading means are adapted for accessing an optical disk using a universal disc format, and wherein said interface is adapted for communicating with a compact flash form factor drive using a file allocation table system.

10. (Previously Presented) The recording apparatus as claimed in claim 8, wherein said memory means comprise a MRAM unit.

11. (Previously Presented) A method for recording information on a recordable record carrier having a user area for storing user data and a management area for storing management data, said method comprising the acts of:

reading main file system data of a main file system stored in a main file system area of said management area,

converting said main file system data into said virtual file system data for storage on the record carrier and/or for output to an external host device,

storing said virtual file system data in a virtual file system area of said management area in raw format,

storing an indicator indicating whether the main system data and the virtual file system data are consistent in an indicator area of said management area,

setting the indicator such that it indicates an inconsistency if the virtual file system data and/or the main file system data are changed, and

storing the set indicator in said indicator area.

12. (Previously Presented) A method for recording information on a recordable record carrier having a user area for storing user data and a management area for storing management data, said method comprising the acts of:

reading an indicator which indicates whether main file system data of a main file system stored in a main file system area of said management area and virtual file system data of a virtual file system stored in raw format in a virtual file system area are consistent, from an indicator area of said management area,

reading said main file system data from said main file system area and reconstructing at least part of said virtual file system data from said main file system data if said indicator indicates an

inconsistency,

reading at least part of said virtual file system data from  
said virtual file system area,

exposing the virtual file system data to an external host  
device,

setting the indicator such that it indicates the inconsistency  
if the virtual file system data and/or the main file system data  
are changed, and

storing the set indicator in said indicator area.

Claim 13 (Canceled)

14. (Previously Presented) A computer readable medium  
embodying a computer program, the computer program comprising  
computer program means for causing a computer to perform the acts  
of the method as claimed in claim 11 when said computer program is  
run on the computer.

15. (Previously Presented) A device comprising:

means for reading from a first memory at least one of main

data and virtual data;

a converter configured to read an indicator from the removable memory and to convert main data to virtual data if the indicator indicates an inconsistency between the main data and the virtual data, and otherwise read the virtual data; and

a second memory for storing the virtual data, wherein the indicator comprises a flag which is set when the virtual data are updated, indicating that the virtual data are valid, and which is reset when the main data are updated independently, indicating that the virtual file system data are invalid.

16. (Previously Presented) The device of claim 15, wherein the virtual data includes a static part and a volatile part, and wherein only the volatile part is reconstructed from the main data based on the indicator.

17. (Previously Presented) The device of claim 15, wherein the indicator comprises last update dates of the main data and of the virtual data.



Claim 18 (Canceled)

19. (Previously Presented) The device of claim 15, wherein the indicator is stored in at least one of a disk navigation area of the first memory, a logical volume integrity descriptor of the first memory, and a chip in the first memory.

20. (Previously Presented) The device of claim 15, wherein the first memory is a removable memory.

21. (Previously Presented) The device of claim 20, wherein the indicator is stored upon an unmount command of the removable memory.